Appl. No.

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AMENDMENTS TO THE CLAIMS

- 1. (Cancelled)
- 2. (Previously presented) A method of isolating embryonic or fetal red blood cells from a sample containing maternal blood cells and embryonic or fetal blood cells or both, the method comprising determining which cell or cells contain or express an adult liver component that is a cell surface exposed component, wherein the adult liver component is not transferrin receptor, the method comprising the steps of:
 - (a) contacting the sample with a binding moiety that specifically binds the adult liver component;
 - (b) allowing the binding moiety to bind to the adult liver component; and
 - (c) isolating the embryonic or fetal red blood cells by virtue of being bound to the binding moiety.
- 3. (Previously presented) A method according to Claim 2 wherein the sample is a sample of blood from a pregnant female.
- 4. (Original) A method according to Claim 3 wherein the pregnant female is a human female and the sample is taken in the first trimester.
- 5. (Previously presented) A method according to Claim 2 wherein the embryonic or fetal red blood cell is of the nucleated megaloblastic series.
- 6. (Previously presented) A method according to Claim 2 wherein the adult liver component is protein.
- 7. (Previously presented) A method according to Claim 2 wherein the adult liver component is present, when compared to embryonic or fetal red blood cells, at less than 1 percent on a per-cell basis in maternal cells of the maternal blood.
 - 8. (Cancelled)
- 9. (Previously presented) A method of isolating embryonic or fetal red blood cells from a sample containing maternal blood cells and embryonic or fetal blood cells or both, the method comprising isolating the cells which contain or express a component selected from the group consisting of glucose transporter 2 (GLUT2), a P-glycoprotein, a multi-drug resistance protein (MDRP), a multi-drug resistance-like protein (MRP), γ-glutamyl transpeptidase, a

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lipoprotein receptor, an alkaline phosphatase, a bile salt transporter, a hormone receptor, a multiple organic ion transporter (MOAT), a bilirubin transporter, and a bilirubin conjugate transporter, the method comprising the steps of:

- (a) contacting the sample with a binding moiety that specifically binds the component;
 - (b) allowing the binding moiety to bind to the adult liver component; and
- (c) isolating the embryonic or fetal red blood cells by virtue of being bound to the binding moiety.
- 10. (Cancelled)
- 11. (Cancelled)
- 12. (Previously presented) A method according to Claim 2 or 9 wherein the binding moiety is an antibody or fragment or derivative thereof.
- 13. (Original) A method of isolating embryonic or fetal red blood cells from a sample according to Claim 12 wherein the binding moiety is immobilized to a solid support.
- 14. (Currently amended) A method according to Claim 10 2 or 9 wherein the binding moiety is detectably labeled or is capable of detection.
- 15. (Previously presented) A method of isolating embryonic or fetal blood cells from a sample according to Claim 14 wherein the label facilitates isolation of the cells.
 - 16. (Cancelled)
 - 17. (Cancelled)
 - 18. (Cancelled)
 - 19. (Cancelled)\
 - 20. (Cancelled)
 - 21. (Cancelled)
 - 22. (Cancelled)
 - 23. (Cancelled)